

Date: Thu, 10 Jun 93 10:20:18 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #707  
To: Info-Hams

Info-Hams Digest                      Thu, 10 Jun 93                      Volume 93 : Issue    707

Today's Topics:

        Air-band radio question  
        All band mod for KENWOOD TM-732A  
Astron as battery charger (was Field Day Power)  
        Blue Language Repeaters  
        Callbook Server  
        DSP algorithm for audio inversion  
E-SKIP on 6 Meters Wed Eve at 4:30 PM local EDST  
        General Dual Band Mobile Antenna Questions  
        ham radio in movies  
        ham radios in movies  
        HTX-202 error mode  
        Kenwood TM742A problems?  
        Memphis ham radio stores?  
Recommendations for Miscrosat antenna systems  
        The ITU phonetic alphabet (2 msgs)  
        Your comments please, TF415 vs TH28A.

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Tue, 8 Jun 1993 20:33:09 GMT  
From: elroy.jpl.nasa.gov!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpfcs!hplvec!  
scott@ames.arpa  
Subject: Air-band radio question  
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, bly@btree.uucp (Roger Bly) writes:

>I don't think Julian is asking about the legality of transmitting there, he  
>wants to know how to do it.

As another netter has already pointed out, I can't believe Julian was asking anything at all seriously. It's sometimes hard to see via the network when someone's tongue is planted in their cheek but it seems pretty likely in this case. What was being proposed broke so many FAA and FCC regulations, (and that's even leaving aside the issue of common sense) that a joke remains the only viable possibility :-)

> I think the best way to figure it out is  
>to determine what freqs the HT can xmit on (via freq counter, scanner,  
>markings, etc), then lookup the corresponding aviation channel number,  
>then tell your friend to meet you there.

Aviation users don't use "channels" anymore than hams do! Just plain (plane?) ol' frequencies. You want to know what frequencies the HT transmits and receives on? Just look at the readout.

>No problem unless xmiting on a tower or ground freq.

Sorry. That's not only incorrect, but dangerously incorrect.

Scott - Pilot, aircraft owner/operator, ham

Scott Turner NOVRF scott@hpsla.LVLD.HP.COM  
HP VXI Systems Division

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Date: 10 Jun 1993 07:42:07 GMT  
From: news.service.uci.edu!ucivax!news.claremont.edu!elroy.jpl.nasa.gov!swrinde!  
cs.utexas.edu!uwm.edu!convex.csd.uwm.edu!industry@network.UCSD.EDU  
Subject: All band mod for KENWOOD TM-732A  
To: info-hams@ucsd.edu

If anyone has the Modification Matrix for the Kenwood TM-732A that was posted to this group (April, 1992), please send it to:

industry@convex.csd.uwm.edu

Thanks,  
Mark

--

Mark A. Bialik AT&T: (414)271-1619 Home: 1864 Cambridge #3  
Department of Political Science Milwaukee, WI 53202  
University of Wisconsin-Milwaukee

InterNET: industry@convex.csd.uwm.edu (or) industry@csd4.csd.uwm.edu

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Date: Thu, 10 Jun 1993 14:21:02 GMT

From: elroy.jpl.nasa.gov!swrinde!sdd.hp.com!apollo.hp.com!hpwin052!hpmoea!  
dstock@ames.arpa

Subject: Astron as battery charger (was Field Day Power)

To: info-hams@ucsd.edu

I've charged batteries from a variety of regulated power supplies, and learned of the risks by having to fix the resulting slag heaps.

You can stick a diode in the PSU output       \*\*\*\*\* BUT \*\*\*\*\*

- 1)    The diode drop will reduce the charge rate substantially  
      So your gear sees more like 12.5 than 13.8v and thus runs  
      reduced power.
- 2)    With the mains off and a battery connected the reverse current  
      needed to destroy the PSU can be less than your diode leakage.

There is another way which you might find better :

The mode of destruction is the reverse bias avalanche breakdown of base-emitter junctions in the power transistors and regulator IC. It usually takes about 7v backwards to do the dirty deed, avalanching at even low currents degrades a transistors gain irreversably and cumulatively, it also wrecks Ft and noise figure but that's not too critical in power supplies.

Fitting a diode from the PSU output to the reservoir capacitor (unless your PSU is peculiar) will limit any reverse biassing to harmless values. The diode wastes no power, drops no output voltage and only conducts small currents to power the low power stages. It is worth using a large diode to handle the surge current should someone stick the battery on before connecting the mains power - this will give a large current transient as the reservoir charges through your added diode.

PS If you ever try to charge from lab quality PSUs, many of them have shunt regulators to haul the output foltage DOWN to improve the response to control operation when driving partially capacitive loads. These are easily burned out!

Cheers

David

(While you're at it add a diode to blow your output trip WHEN {not if}  
some cretin sticks the battery on reversed ;-)

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Date: Thu, 10 Jun 1993 09:12:22 GMT  
From: agate!howland.reston.ans.net!math.ohio-state.edu!sdd.hp.com!apollo.hp.com!  
hpwin052!hpqmoea!dstock@ames.arpa  
Subject: Blue Language Repeaters  
To: info-hams@ucsd.edu

For anyone who wants to make the most of one of these "Blue  
Repeaters", I once came across something called, if I recall correctly  
"The Oxford dictionary of obscenities"

I can see the reason for such a tome, but there is something  
irresistably funny about the picture of cloistered academics in formal  
gowns and hoods composing a half-page entry on, say, the word "p\*ss"  
that it created in my admittedly warped mind.

Cheers

David GM4NZX

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Date: 10 Jun 93 01:07:53 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Callbook Server  
To: info-hams@ucsd.edu

Kristin Hayward wrote:

<Stuff deleted>

> Now, with CD-ROM attached to many computers and the  
> callsign CDs selling for \$25 or less, I bet that it  
> will become nearly impossible for the "organizers of  
> the great callsign project" to pull this off one more  
> time.

Why not copy the data from one of the CD Roms? The QRZ! CD  
supposedly contains an ASCII copy. To head off the armchair  
lawyers, the courts have ruled that you can't copyright a list,  
so there shouldn't be any legal problems.

Keith Lingwall KB5NSD

Compaq Computer Corp.  
Box 692000 M120501  
Houston, TX 77269

Internet: KRL%DSS%NA=Hou@bangate.compaq.com  
CIS: 76646,2325

\*\*\* My opinions, not Compaq's \*\*\*

-----  
Date: 10 Jun 93 14:39:13 GMT  
From: idacrd.ccr-p.ida.org!idacrd!n4hy@uunet.uu.net  
Subject: DSP algorithm for audio inversion  
To: info-hams@ucsd.edu

Its easier than that Jon. With the correct sample rate all you have to do is reverse the sign of every other sample.

Bob  
--

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Robert W. McGwier | n4hy@ccr-p.ida.org  
Center for Communications Research | Interests: amateur radio, astronomy, golf  
Princeton, N.J. 08520 | Asst Scoutmaster Troop 5700, Hightstown

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Date: Thu, 10 Jun 1993 12:59:57 GMT  
From: agate!spool.mu.edu!sol.ctr.columbia.edu!NewsWatcher!user@ames.arpa  
Subject: E-SKIP on 6 Meters Wed Eve at 4:30 PM local EDT  
To: info-hams@ucsd.edu

6 Meter E-Skip, MD to Homestead FLA area at approx. 4:30 local EDT time.  
None of the expected AU heard! Two meters dead as usual! W1DGA Rpt.

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Date: 9 Jun 93 20:16:01 GMT  
From: rocksanne!aladdin!chen@cs.rochester.edu  
Subject: General Dual Band Mobile Antenna Questions  
To: info-hams@ucsd.edu

Hello, I'm looking into getting a dual band UHF/VHF mobile radio. Since most of them don't come with antenna's, I was wondering what kind of antenna to get. Is there a certain brand that you've had better experience with or are they all about the same? Is there a difference between a magnetic mounted, gutter mounted, or through the glass antenna? Does NMO refer to the type of connector

or the type of mounting?

Thanks in Advance!  
Dan

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Date: Thu, 10 Jun 1993 09:22:12 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!apollo.hp.com!  
hpwin052!hpqmoea!dstock@network.UCSD.EDU  
Subject: ham radio in movies  
To: info-hams@ucsd.edu

Tom Bodoh (tbodoh@resdgs1.er.usgs.gov) wrote:

: --

: But... in the movie, the marines turned out to be crooks too...

Oh well, me and my big mouth. My only excuse is that it is  
traditional for films to tour the US for a year or so before the worn  
out prints get shipped over here.

Mind you, 14.313 may be a parallel.

Cheers

David GM4ZNX

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Date: Wed, 9 Jun 1993 17:30:31 GMT  
From: news.service.uci.edu!ucivax!news.claremont.edu!elroy.jpl.nasa.gov!swrinde!  
gatech!asuvax!ennews!mcdphx!schbbs!mothost!binford!laidbak!tellab5!  
jwa@network.UCSD.EDU  
Subject: ham radios in movies  
To: info-hams@ucsd.edu

I remember seeing an old Halicrafters receiver in early episodes  
of the Andy Griffith Show.

---

Jack Albert

Fellow Radio Buff  
Tele (708) 512-7854

Tellabs, Inc.  
4951 Indiana Ave.  
Lisle, IL  
60532

FAX (708) 852-7346  
jwa@tellabs.com  
Talking to you from a Sun Workstation

-----  
Date: 10 Jun 93 13:25:31 GMT  
From: att-out!cbnews1!dara@RUTGERS.EDU  
Subject: HTX-202 error mode  
To: info-hams@ucsd.edu

In article <1787700037@trsvax>, rpo@trsvax.tandy.com writes:

>  
> This is caused by a near-dead backup lithium battery. The average  
> life of these batteries is about 1 year, so (considering shelf time)  
> this is pretty normal.  
>  
> Paul Opitz, N5TPQ  
> Radio Shack Publications  
>

The lithium backup battery is only used when the battery pack goes below  
~5v and/or there is no external pwr supply. If you always keep a charged  
pack on the HT the lithium battery will last 7 - 15 yrs (shelf life).  
If you rely only on the lithium battery then it will only last ~ 1 yr.  
Shel WA2UBK

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Date: Thu, 10 Jun 1993 06:16:06 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!darwin.sura.net!  
rouge!cfm1471@network.UCSD.EDU  
Subject: Kenwood TM742A problems?  
To: info-hams@ucsd.edu

Just returned from the Dallas Hamcom, was great. O.K. nuff said,  
I bought a Kenwood 742A and the darn thing is broken already! It has  
been in service since Sunday night, and today, Wednesday, the darn  
squelch on the UHF side has gone bad. The only way that i can quiet the  
UHF side is to use the S-meter squelch setting, and this sucks, because of  
that delay after carrier drop, before the squelch kicks in. This makes  
it sound like an Icom, with that 1 hour squelch tail! (The 901 uses the  
the S-meter method, as well as the 2410, if anyone has ever heard it in  
xband repeat, you'll hear it WELL!) My question is, has anyone else had  
this problem? Heck, i just dumped \$650 bucks on this thing, and its broken  
already. Doesnt look to good for a new radio. Will keep yall posted on the  
the 2 year impending wait from Kenwood.

BTW: Radio Shack premiered a new 70cm only HT in Dallas. Same thing as the 202, you have to look pretty hard at it to tell a difference.

Charlie

Charles Morrison KI5XP  
U. of Southwestern La.  
Lafayette, La. 70506  
(318) 988-3821

Internet: ki5xp@ki5xp.aara.org  
Internet: cfm1471@ucs.usl.edu  
Packet: KI5XP@K5ARH.LA

-----  
Date: 9 Jun 93 23:01:31 CST  
From: agate!howland.reston.ans.net!ux1.cso.uiuc.edu!moe.ksu.ksu.edu!engr.uark.edu!news.ualr.edu!eivax.ualr.edu!hudson@ames.arpa  
Subject: Memphis ham radio stores?  
To: info-hams@ucsd.edu

Week after next, I will be going to Memphis, and wonder if there is a ham radio store there. I thought I remembered one from QSTs (many years ago???) but did not find anything in the CQ and 73 mags I have that are recent vintage. Can anyone help with store names (and maybe addresses???)?

Keith  
N5EEZ

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Date: 10 Jun 93 07:34:28  
From: idacrd.ccr-p.ida.org!idacrd!n4hy@uunet.uu.net  
Subject: Recommendations for Miscrosat antenna systems  
To: info-hams@ucsd.edu

A careful analysis of the ACTUAL time spent above 30 degrees will astound you probably. If the satellites get above 30 degrees, they are absolutely whizzing overhead and are back down to thirty degrees very quickly. The real problem with his antenna scenario is that competition on the uplinks has gotten pretty stiff.

Bob

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Robert W. McGwier | n4hy@ccr-p.ida.org  
Center for Communications Research | Interests: amateur radio, astronomy, golf  
Princeton, N.J. 08520 | Asst Scoutmaster Troop 5700, Hightstown  
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Date: 10 Jun 1993 13:08:45 GMT  
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!noc.near.net!jericho.mc.com!  
fugu!levine@ames.arpa  
Subject: The ITU phonetic alphabet  
To: info-hams@ucsd.edu

>  
> Now for my question. What was the rational behind using the words Mike and  
> Golf for the letters M and G? A multisyllabic word would seem to me more  
> appropriate. In other phonetic alphabets, for instance, I recall the word  
> Greyhound for G.  
>  
>

I have found that Germany is much more effective for G.

Bob KD1GG

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Date: Thu, 10 Jun 1993 14:42:05 GMT  
From: swrinde!news.dell.com!natinst.com!cs.utexas.edu!uwm.edu!spool.mu.edu!olivea!  
pagesat!ukma!rsg1.er.usgs.gov!resdgs1.er.usgs.gov!tbodoh@network.UCSD.EDU  
Subject: The ITU phonetic alphabet  
To: info-hams@ucsd.edu

In article <1v7bot\$bds@jericho.mc.com>, levine@mc.com (Bob Levine) writes:

|> >  
|> > Now for my question. What was the rational behind using the words Mike and  
|> > Golf for the letters M and G? A multisyllabic word would seem to me more  
|> > appropriate. In other phonetic alphabets, for instance, I recall the word  
|> > Greyhound for G.  
|> >  
|> >  
|>  
|> I have found that Germany is much more effective for G.  
|>  
|> Bob KD1GG  
|>  
|>  
|>

--  
I frequently have to use phonetics when asking for tapes to be sent up from  
our tape library - and I like to use 'psuedo' for 'p'. That usually  
confuses the hell out of them - but I always get the right tape.

++++++  
+ Tom Bodoh - Sr. systems software engineer  
+  
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +  
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)  
+  
+ "Welcome back my friends to the show that never ends!" EL&P  
+  
++++++

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Date: 10 Jun 93 04:25:14 GMT  
From: ogicse!uwm.edu!math.ohio-state.edu!cs.utexas.edu!news@network.UCSD.EDU  
Subject: Your comments please, TF415 vs TH28A.  
To: info-hams@ucsd.edu

Hi, KC5AAI, Mike here.

As my first and only radio is about to be purchased, I would appreciate some comments and/or criticisms regarding the Kenwood TH28A and the Yaesu FT415, bad subject line. I plan to keep this little guy for about a year and then move up to a dual bander. As of now I dont want to spend more than \$350 for a new rig. Later I will pass it on to my son or wife, as they wish.

Thanks for the time involved,  
Mike Waligore, KC5AAI, Austin  
mwaligor@ccwf.cc.utexas.edu

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Date: 10 Jun 93 09:19:08 GMT  
From: ogicse!emory!swrinde!gatech!wa4mei!ke4zv!gary@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1v3i3hINN2rr@senator-bedfellow.MIT.EDU>,  
<1993Jun9.135548.25689@ke4zv.uucp>, <rrgd50-090693153245@zoom.sps.mot.com>  
Reply-To : gary@ke4zv.UUCP (Gary Coffman)  
Subject : Re: Field Day Power

In article <rrgd50-090693153245@zoom.sps.mot.com> rrgd50@email.sps.mot.com (Chris Terwilliger) writes:

>  
>Gary, looks like you need more practice...  
>Maybe a close third should be people with guns...

Really. Never bring a new .22 pistol you haven't shot before to a

snake hunt.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

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Date: Wed, 9 Jun 1993 23:17:35 GMT  
From: agate!howland.reston.ans.net!xlink.net!math.fu-berlin.de!news.netmbx.de!  
Germany.EU.net!mcsun!sun4nl!relay.philips.nl!philica!geertj@ames.arpa  
To: info-hams@ucsd.edu

References <m16ugfINN5g8@exodus.Eng.Sun.COM>, <4034@eram.esi.COM.AU>,  
<1993Jun8.200619.5229@combdyn.com>  
Subject : Re: ft530 rubber resistor: tuned low?

lawrence@combdyn.com (Lawrence \*The Dreamer\* Chen) writes:

>In article <4034@eram.esi.COM.AU> dave@eram.esi.COM.AU (Dave Horsfall) writes:  
>2dB doesn't seem to account for the 5 S-unit difference (on receive) I'm  
>getting between the 530 antenna and a different rubber ducky (rated as  
>0dB gain on 2m, and something like 2db on 70cm).

Is it really 5 S-units? On my icom handheld, the difference between S1 and  
S9 is less than 10 dB. Also, with FM, only a few dB's make the difference  
between a bad and a noise-free signal..

>It also makes all the difference between hitting the repeater and not hitting  
>the repeater. I haven't had a chance to ask for a signal report, but at least  
>I can make it now.

Personally, I use the RH700 by diamond. Performance as good as the ICOM  
antenna spoken about (which is much better as the dummy load icom ships  
with the W2e in Europe; it's another thing as the US version).  
RH700 is also specified out of band; a severe disadvantage to me  
but a help to scanner people..

73, Geert Jan PE1HZG

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Date: 10 Jun 93 14:42:36 GMT  
From: ogicse!uwm.edu!linac!att!cbnewsm!jeffj@network.UCSD.EDU

To: info-hams@ucsd.edu

References <1v3i3hINN2rr@senator-bedfellow.MIT.EDU>,  
<1993Jun9.135548.25689@ke4zv.uucp>, <rrgd50-090693153245@zoom.sps.mot.com>  
Subject : Re: Field Day Power

In article <rrgd50-090693153245@zoom.sps.mot.com> rrgd50@email.sps.mot.com (Chris Terwilliger) writes:

>In article <1993Jun9.135548.25689@ke4zv.uucp>, gary@ke4zv.uucp (Gary  
>Coffman) wrote:

>

>> It only takes once to kill you. Generators and thunderstorms are  
>> right behind falls from trees or temporary towers in the Field  
>> Day hazard list. Around here, poisonous snakes are a close third,  
> ^^^^^^^^^^^

>> bring guns you've practiced with. We operated from an aluminum boat  
> ^^^^^^^^^

>> in the lake one year, and a cottonmouth decided to join us in the  
>> boat. We put 14 holes in the boat trying to get him. He crawled out  
> ^^^^^^^^^

>> unharmed, and we bailed like mad trying to get back to shore. :-)  
>

>Gary, looks like you need more practice...

>Maybe a close third should be people with guns...

With shooting like that I'd put it about 10th! 8-)

Jeff

--

Jeff Jones AB6MB		OPPOSE THE NORTH AMERICAN FREE TRADE AGREEMENT!
jeffj@seeker.mystic.com		Canada/USA Free Trade cost Canada 400,000 jobs.
Infolinc BBS 415-778-5929		Want to guess how many we'll lose to Mexico?

-----  
Date: 10 Jun 93 13:54:52 GMT  
From: att-out!cbnews1!dara@RUTGERS.EDU  
To: info-hams@ucsd.edu

References <9306080520.AA06729@ucsd.edu>, <1993Jun8.150037.3912@kd4nc.uucp>,  
<1993Jun9.134237.25606@ke4zv.uucp>  
Subject : Re: Ham Radios in movies

In article <1993Jun9.134237.25606@ke4zv.uucp>, gary@ke4zv.uucp (Gary Coffman)  
writes:

> In article <1993Jun08.221235.18468@news.mentorg.com> mbutts@mbutts.mentorg.com  
(Mike Butts) writes:

> >Take a look at "Sneakers". Lots of radios used just because they look  
> >so "hi-tech". Computers have no knobs anymore, so they fill the sets with  
> >radios! I'm not an expert spotter, but I know I saw HW-8-like QRP rigs  
> >and FT-100s in the van and the lab. Especially check out the gear to the  
> >left of the computer in the party scene.  
>  
> Well they weren't ham radios, but the Soviet satellite control room  
> in \_Ice Station Zebra\_ looked like a junk sale at the TV station.  
> There were more old Tektronix scopes, with fake Russian labels, than  
> you could shake a stick at. I spotted Tek 524, 540, 520, 527, and  
> 529 scopes.  
>  
> Gary  
> --

That may have been more accurate than you think. Rumor was that Tek  
sold a lot of scopes to Finland. Rumor also said those scopes never  
got uncrated in Finland.

More of interest: a personal friend was in a unit that captured a  
Soviet SAM missile in the seventies. He got to look inside. The  
i.c.'s were TI. (Not to worry, it later turned out that back then  
TI sold defective i.c.'s to the military)

Shel (What would the planet have done without us?)

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End of Info-Hams Digest V93 #707

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